

NON-PUBLIC?: N
ACCESSION #: 9310040171
LICENSEE EVENT REPORT (LER)

FACILITY NAME: Vogtle Electric Generating Plant - PAGE: 1 OF 3
Unit 2

DOCKET NUMBER: 05000425

TITLE: REACTOR TRIP DUE TO TRIP OF REACTOR COOLANT PUMP
EVENT DATE: 09/08/93 LER #: 93-006-00 REPORT DATE: 09/30/93

OTHER FACILITIES INVOLVED: DOCKET NO: 05000

OPERATING MODE: 1 POWER LEVEL: 079

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR
SECTION:
50.73(a)(2)(iv)

LICENSEE CONTACT FOR THIS LER:
NAME: Mehdi Sheibani, Nuclear Safety TELEPHONE: (706) 826-3209
and Compliance

COMPONENT FAILURE DESCRIPTION:
CAUSE: SYSTEM: COMPONENT: MANUFACTURER:
REPORTABLE NPRDS:

SUPPLEMENTAL REPORT EXPECTED: No

ABSTRACT:

On September 8, 1993, a quality control (QC) inspector was performing fuse monitoring per an ongoing QC monitoring program. When he attempted to open the cabinet door housing the circuit breaker for the loop 4 reactor coolant pump (RCP), the inspector found that the door was stuck along the bottom edge due to paint buildup on the floor. While holding the door, the inspector used a screwdriver to pry open the door's bottom edge. When the door opened at 1739 EDT, the inspector heard a click, and in the control room operators received various annunciators, including those for a single loop low flow condition and a reactor trip due to low flow in loop 4. A normal unit trip and response ensued.

The cause of this event was a personnel error in prying open the cabinet door which resulted in an inadvertent actuation of a loop 4 RCP breaker relay. The relay, which is mounted on the inside of the cabinet door

opened by the QC inspector, is believed to have been jarred by opening the door, initiating a trip of the loop 4 RCP breaker. Unit 2 entered a scheduled refueling outage following the reactor trip. The loop 4 RCP breaker was reset so that the RCP and steam generator could be used as a heat sink during the initial stage of the outage. Closer examination of the cabinet door and relay will be performed later in the refueling outage.

END OF ABSTRACT

TEXT PAGE 2 OF 3

A. REQUIREMENT FOR REPORT

This report is required per 10 CFR 50.73 (a)(2)(iv) because an unplanned actuation of the reactor protection system (RPS) occurred.

B. UNIT STATUS AT TIME OF EVENT

At the time of this event, Unit 2 was operating in Mode 1 (power operation) at 79 percent of rated thermal power. There was no inoperable equipment that contributed to the occurrence of this event.

C. DESCRIPTION OF EVENT

On September 8, 1993, a quality control (QC) inspector was performing fuse monitoring per an ongoing QC monitoring program. When he attempted to open the cabinet door housing the loop 4 reactor coolant pump (RCP) breaker, the inspector found that the door was stuck along the bottom edge due to paint buildup on the floor. While holding the door, the inspector used a screwdriver to pry open the door's bottom edge. When the door opened at 1739 EDT, the inspector heard a click, and in the control room, operators received various annunciators, including those for a single loop low flow condition and a reactor trip due to low flow in loop 4. The auxiliary feedwater (AFW) system actuated as expected to maintain steam generator (SG) water levels. Normal unit operation resumed in Mode 3 (hot standby) at 1750 EDT. The turbine driven AFW pump was secured at 1813 EDT.

D. CAUSE OF EVENT

The cause of this event was a cognitive personnel error in prying open the cabinet door which resulted in an inadvertent actuation of a loop 4 RCP breaker relay. The relay, which is mounted on the

inside of the cabinet door opened by the QC inspector, is believed to have been jarred by opening the door, initiating a trip of the loop 4 RCP breaker. There were no unusual characteristics of the work location which contributed to the occurrence of this error by the Georgia Power Company QC inspector involved. Following the reactor trip, Unit 2 entered a scheduled refueling outage. The loop 4 RCP breaker was reset so that the RCP and SG could be used as a heat sink during the initial stage of the outage. Closer examination of the cabinet door and relay will be performed later in the refueling outage.

E. ANALYSIS OF EVENT

The RPS reacted to the low flow condition as designed by tripping the reactor. The AFW system actuated as designed to maintain SG water levels and control room personnel acted appropriately

TEXT PAGE 3 OF 3

to ensure a normal unit trip and recovery. Based on these considerations, there was no adverse effect on plant safety or on the health and safety of the public as a result of this event.

F. CORRECTIVE ACTIONS

1. The loop 4 breaker was reset, and the RCP was returned to service.
2. The QC monitoring program for fuses, links, and lifted wires was suspended pending an evaluation of the cause of this event.
3. Appropriate plant personnel were disciplined concerning the importance of exercising caution when working on equipment that may pose a unit trip hazard.
4. Examination of the cabinet door and relay will be conducted when the loop 4 RCP is removed from service during the ongoing refueling outage.

G. ADDITIONAL INFORMATION

1. Failed Components

None

2. Previous Similar Events

None

3. Energy Industry Identification System Code

Reactor Coolant System - AB

Auxiliary Feedwater System - BA

ATTACHMENT 1 TO 9310040171 PAGE 1 OF 1

Georgia Power Company
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201
Telephone 205 877-7122

C. K. McCoy Georgia Power
Vice President, Nuclear
Vogtle Project the southern electric system

September 30, 1993

LCV-0153

Docket No. 50-425

U. S. Nuclear Regulatory Commission

ATTN: Document Control Desk
Washington, D. C. 20555

Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT
LICENSEE EVENT REPORT
REACTOR TRIP DUE TO TRIP OF REACTOR COOLANT PUMP

In accordance with the requirements of 10 CFR 50.73, Georgia Power Company submits the enclosed report related to an event which occurred on September 8, 1993.

Sincerely,

C. K. McCoy

CKM/NJS

Enclosure: LER 50-425/1993-006

xc: Georgia Power Company

Mr. J. B. Beasley, Jr.

Mr. M. Sheibani

NORMS

U. S. Nuclear Regulatory Commission

Mr. S. D. Ebnetter, Regional Administrator

Mr. D. S. Hood, Licensing Project Manager, NRR

Mr. B. R. Bonser, Senior Resident Inspector, Vogtle

*** END OF DOCUMENT ***
